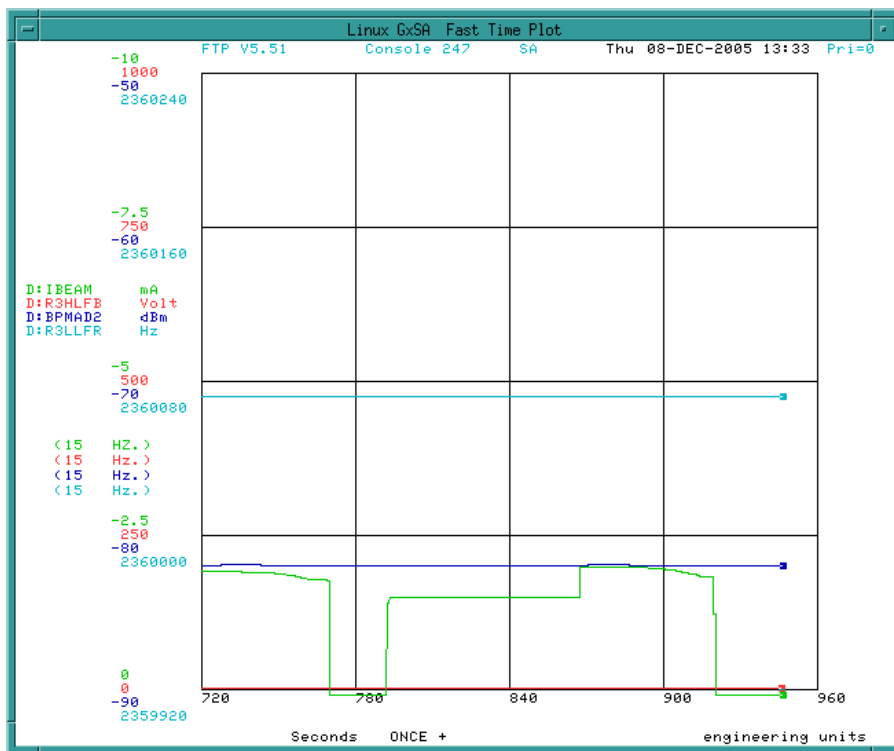


11-25-05:

1. Starting from Stacking, we establish Reverse Protons to the Debuncher

- From the Pbar Annex Sequencer
 - Run the "Fast Recycler Start" aggregate
 - Run the "Fast Recycler Reverse Protons" aggregate
 - Run the "Fast Recycler Finish Reverse Protons" aggregate
- From the Pbar Sequencer
 - Run the "Reverse Protons to Debuncher" aggregate.
 - Stop before sending beam up AP2.
- Detune the DRF1 rotator cavities from P8 TUNESYS <19> and <20>.
 - % = 2, 3, 4, 5, 6, 7
 - For each cavity, repeat the following:
 - Set A:ALLOW% = 0 (DRF1-% allow heater setting)
 - Set DLENABC% = 0 (DRF1-% enable regulation setting)
 - Turn off D:R1L%RL (DRF1-% LLRF rotation level).
 - Do not turn off D:R1H%XC (DRF1-% high level status and control)
 - Set D:R1HT0% (DRF1-% heater setting) to desired amount.
 - DRF1-2 through DRF1-7 settings are currently: 50, 39, 65, 51, 52, 60.
- Start FTP Pbar #47



- FTP Pbar #47:
 - Green trace is the intensity of Debuncher beam.
 - 1 turn, 7 bunches we were getting ~2ma
 - 1 turn, 35 bunches we were getting ~14ma
 - Yellow trace is the Debuncher BPM intensity. To ensure good readbacks, we want better than -70dB. We found that it was better to be more picky and only accept better than -60dB.
 - Red trace is the DRF3 amplitude. When we bunch the beam this should come up to around 400V.

- up to around 400V.
 - Cyan trace is the DRF3 frequency. At the revolution frequency of the Debuncher = 590018Hz, with DRF3 $h=4$, we get 2360072.
- We have two choices for running beam
 - Have the crew chief put \$16/\$2D events in the TLG. Preferred when injecting continuously.
 - Do one shots. Preferred when circulating beam in the Debuncher.
- From the Pbar Sequencer
 - Run the "Deb Vert aperture scan rev p" aggregate
 - Start Pbar FTP #57
 - D44 -> User -> gollwitz -> DebVertAdm
 - Run the "Deb Hor aperture scan rev p" aggregate
 - Start Pbar FTP #56
 - D44 -> User -> gollwitz -> DebHorAdmit